

Epilog

Denver Colorado, USA

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Thursday, April 21, 1994 Rev 2

PROCEDURE: Replacing the Mirror

Tools needed: Right Angle Phillips screw driver
5/32 " Allen wrench also known as a hex key

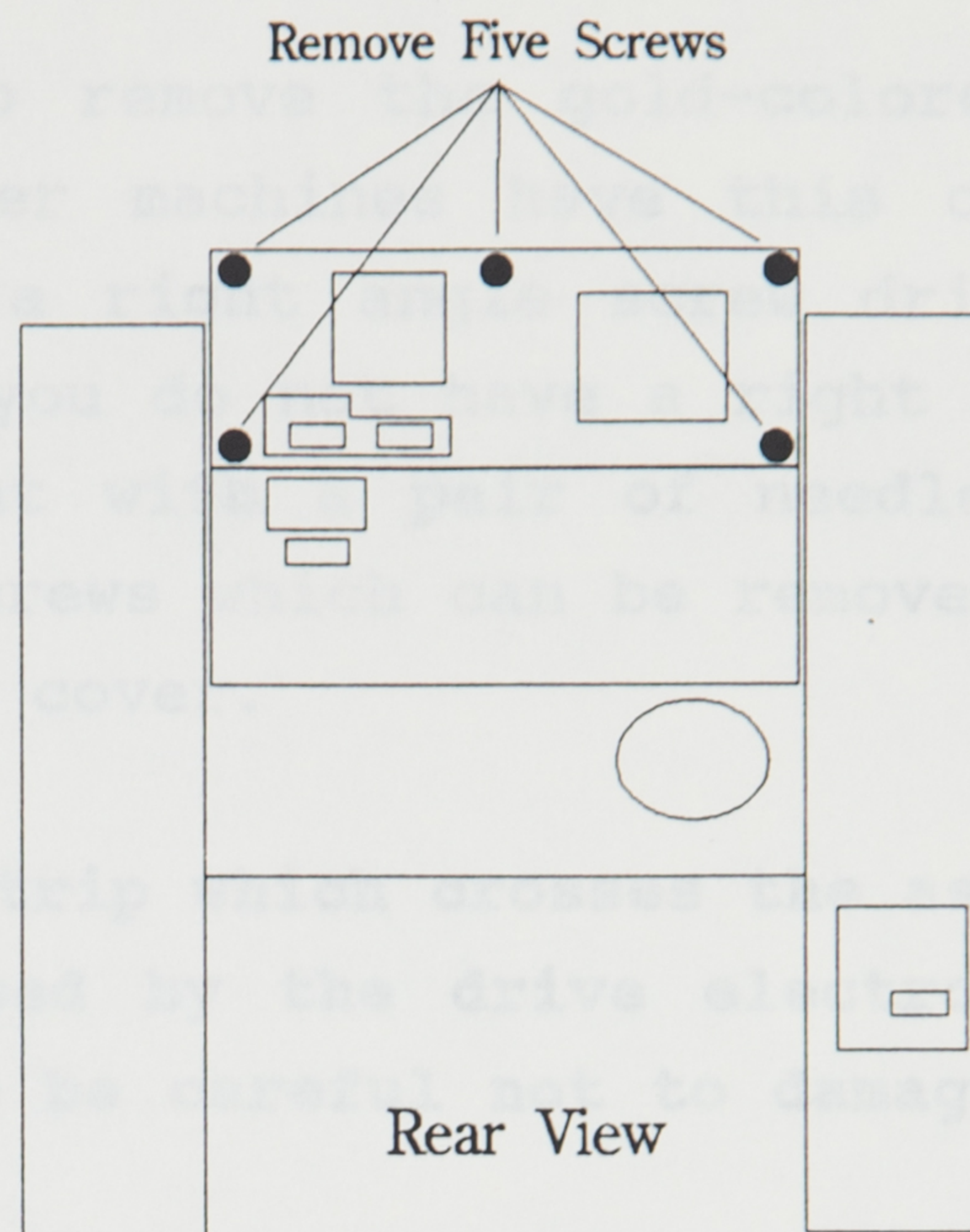
WARNING Static Electricity can damage electronics. This is an all mechanical procedure. It is not necessary to touch any of the electronic assemblies while the cover is off.

CAUTION The mirror assembly is strong but mirrors are fragile and should be handled with care, please work carefully. Please do not touch the mirror itself. Optical surfaces need to stay clean.

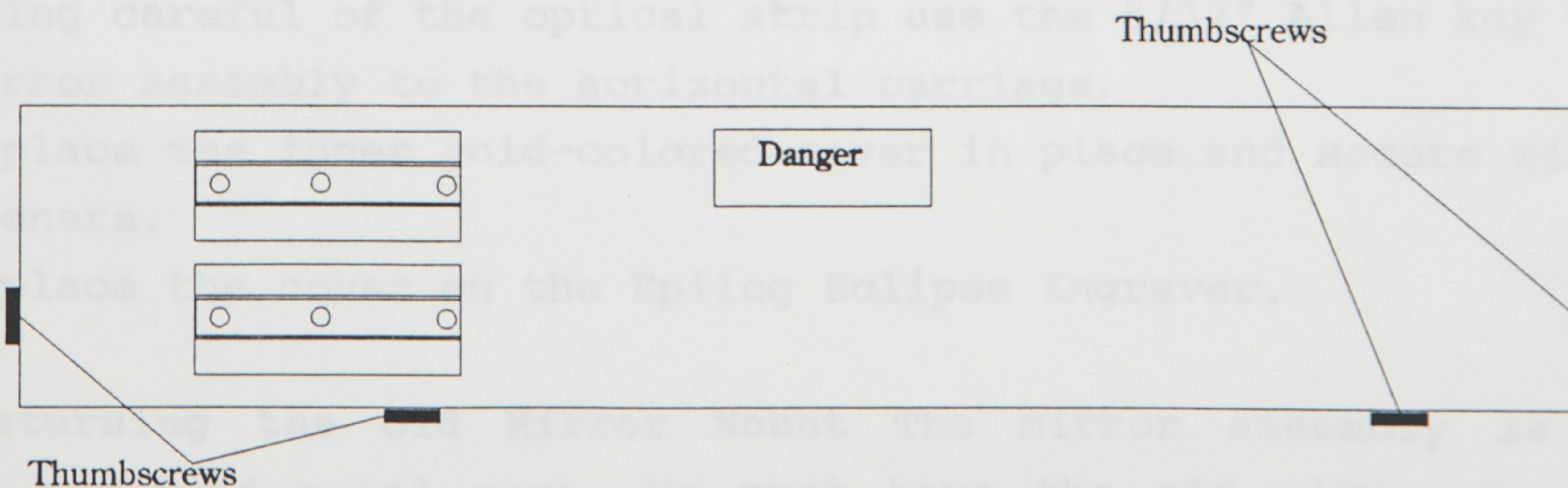
1.) First turn off the power.

2.) Remove the upper cover. The cover is removed by removing the rear panel screws shown in the diagram on the next page. Be careful NOT to remove the four power supply screws, which are located in the same area. If you are uncertain, the power supply screws form a box around the fan and power cord area.

Inner Cover
Figure 2



Once the screws are removed, there are two shipping locks that need to be removed. These need only be reinstalled to ship your machine. Just inside the door, on the left and right side, you will see two black thumbscrews just like the ones on your lens holder. Loosen and remove these, along with the small brass barrel and lock washer. Leave the door open at this point. The cover cannot be removed with the door latched closed. Now your cover can be slid forwards. It should be a little difficult to move initially, then slide freely about 3 inches to a stop. At this point, lift the cover up and set it aside. The cover is large, and you may need someone to assist. Be careful the door doesn't close on your fingers when you move or lift it.



Inner Cover
Figure 2

3. It is now necessary to remove the gold-colored cover over the horizontal carriage. Earlier machines have this cover secured with Phillips head screws. Use a right angle screw driver to remove the screws, and set aside. If you do not have a right angle screwdriver, try starting the screws out with a pair of needle-nose pliers. The newer machines have thumbscrews which can be removed by hand. Unscrew all 4 screws and remove the cover.

CAUTION: Note the plastic strip which crosses the assembly. This is an optical encoder that is used by the drive electronics to track the horizontal position. Please be careful not to damage this strip while working on the engraver.

4.) Observe the new mirror mount. Note the positions of the threaded holes. Observe how the 2 bolts that need to be removed are under the optical strip. Use the 5/32" Allen key to unbolt the mirror mount. This will leave the mirror dangling on the horizontal drive belt. There are 2 Phillips head screws securing the mirror assembly to the drive belt. Unscrew the 2 Phillips head screws and set the old mirror assembly aside.

5.) Installing the new mirror assembly is now a very straight-forward process. Use the 2 Phillips head screws to mount the new mirror assembly to the drive belt.

6.) Being careful of the optical strip use the 5/32" Allen key to bolt the mirror assembly to the horizontal carriage.

7.) Replace the inner gold-colored cover in place and secure with it's 4 fasteners.

8.) Replace the cover on the Epilog Eclipse Engraver.

9.) **Returning the Old Mirror Mount** The mirror assembly is a custom machined metal part. We must have the old mirror mount back so that we can glue in a new mirror for the next customer that needs a replacement. Please ship the old mirror assembly to the Epilog address on the letterhead. As always technical support is available by phone.